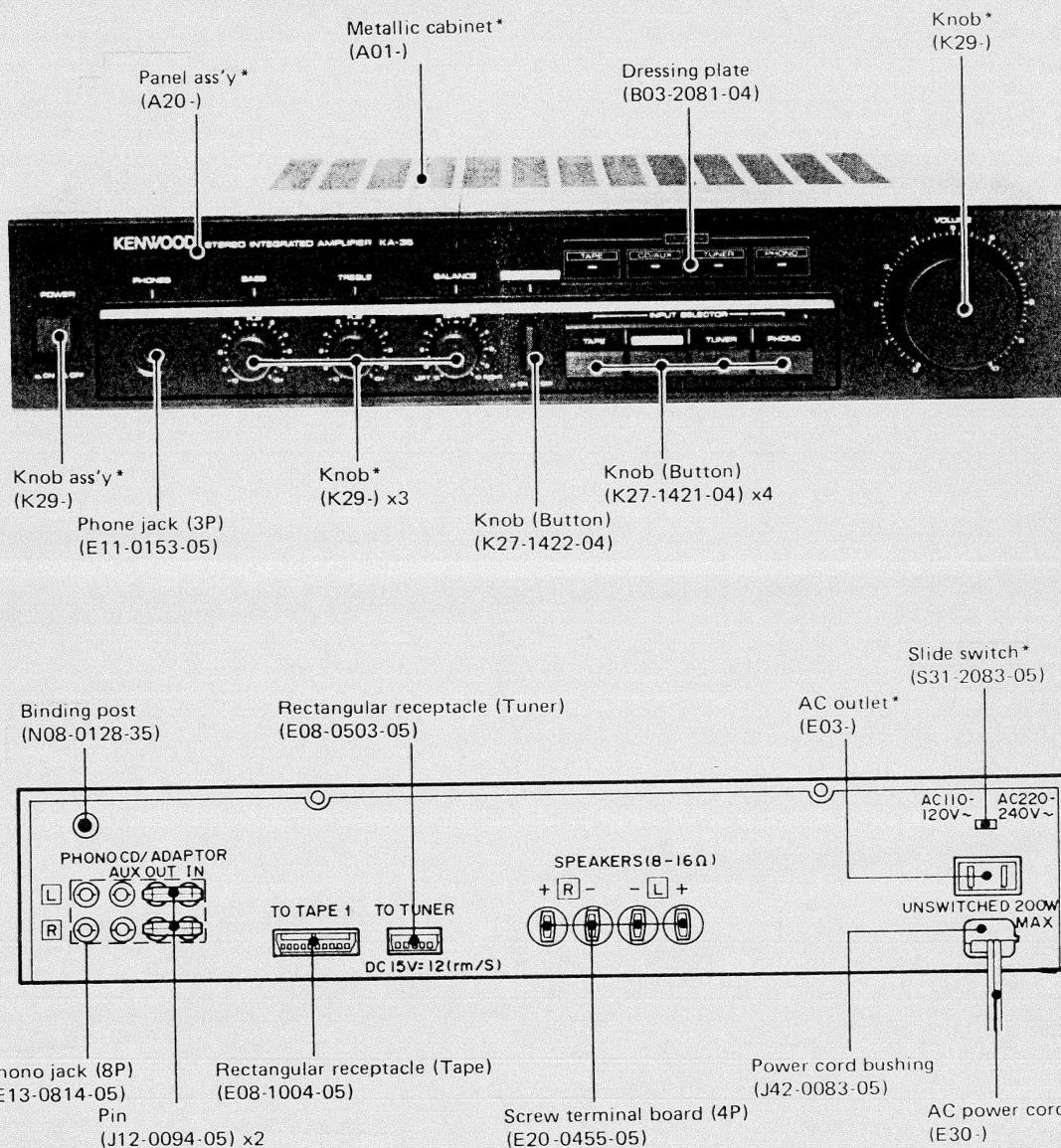


# STEREO INTEGRATED AMPLIFIER KA-35 SERVICE MANUAL

# KENWOOD

©1986-3/87-2 PRINTED IN JAPAN  
B51-1927-00(O)100



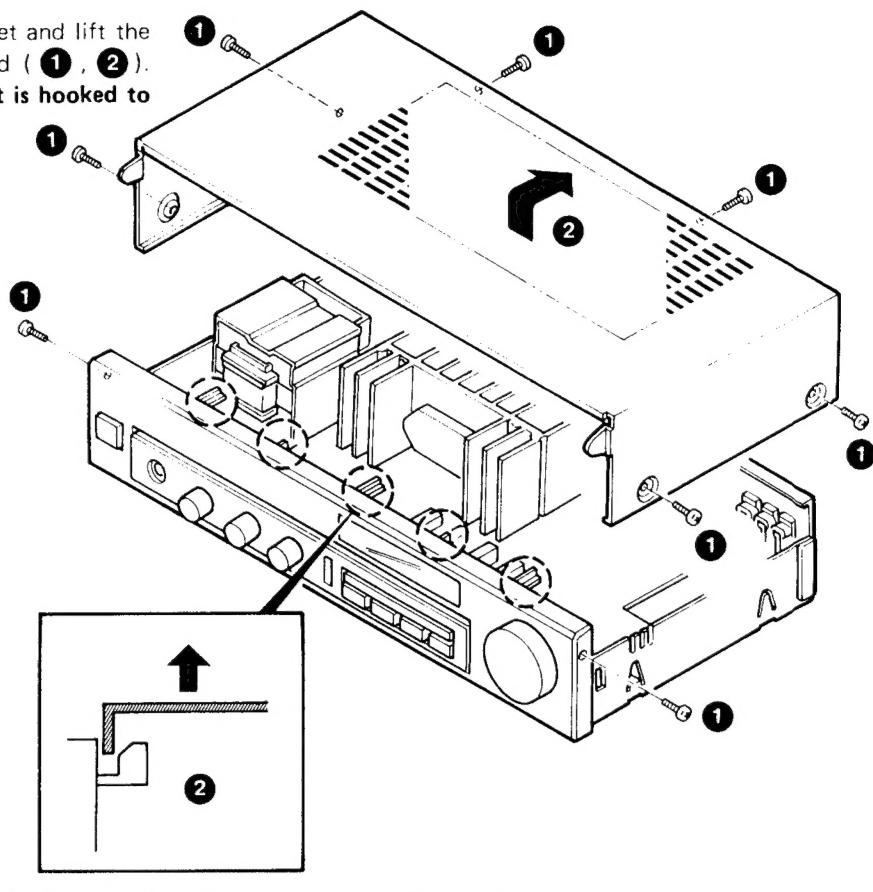
Note : When doing service of KT-35, KT-35L, or KX-35W be sure to have the customer bring the KA-35 or use the DC power supply.

\* Refer to parts list on page 6.

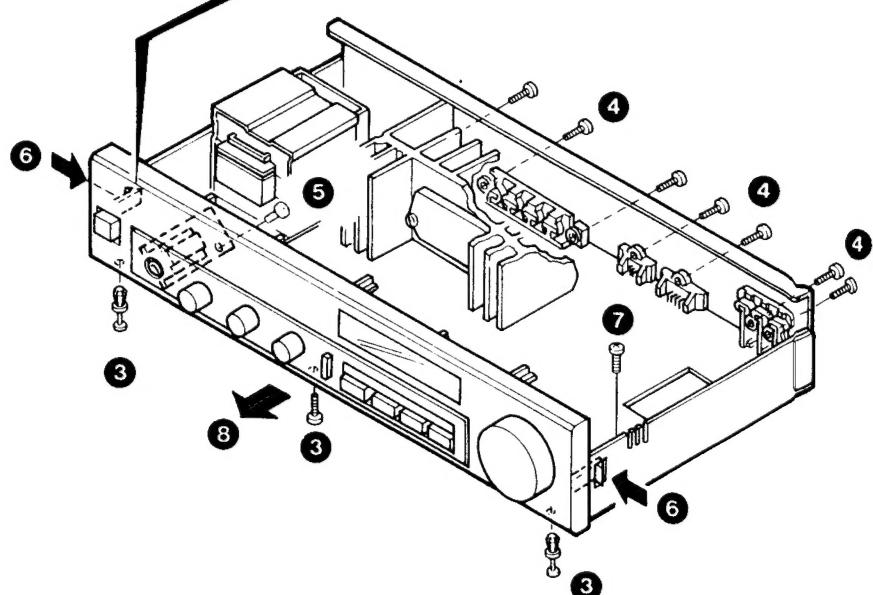
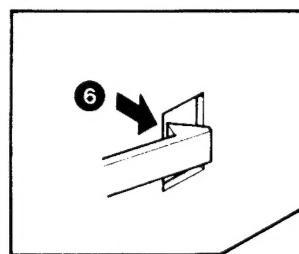
## DISASSEMBLY FOR REPAIR

## DISASSEMBLY FOR REPAIR

1. Remove 8 screws from the metallic cabinet and lift the metallic cabinet up and slide it rearward ( 1 , 2 ).  
**(Note)** Be aware that the metallic cabinet is hooked to the projections on the panel.

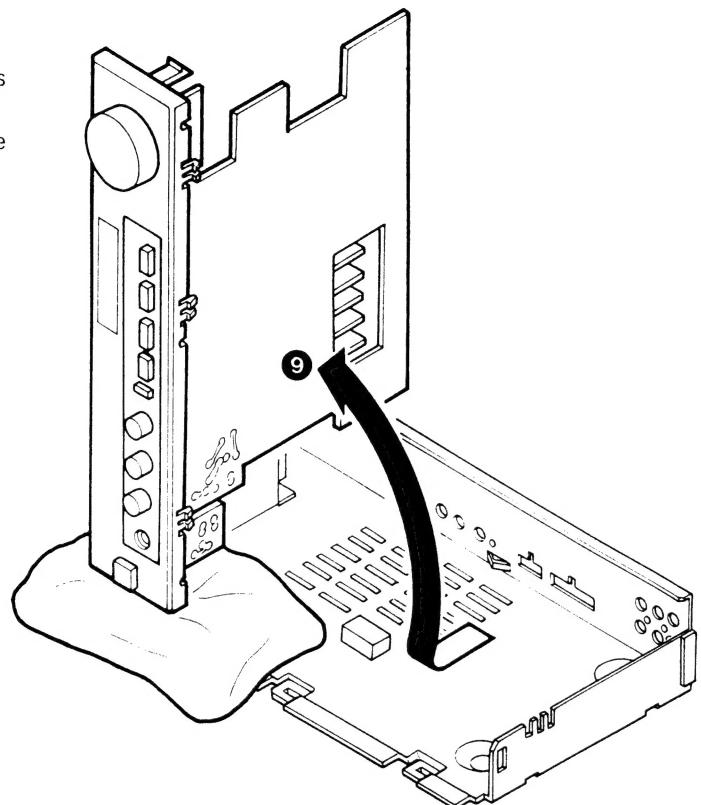


2. Remove 1 screw and two push rivets at the bottom of the panel ( 3 ) and 7 screws at the rear panel ( 4 ).
3. Remove 1 screw retaining the phone jack pcb ( 5 ).
4. Push the pawls at both sides of the panel and release from the hole ( 6 ).
5. Remove 1 screw at the pcb ( 7 ).
6. The panel with pc boards attached, can be pulled frontward ( 8 ).



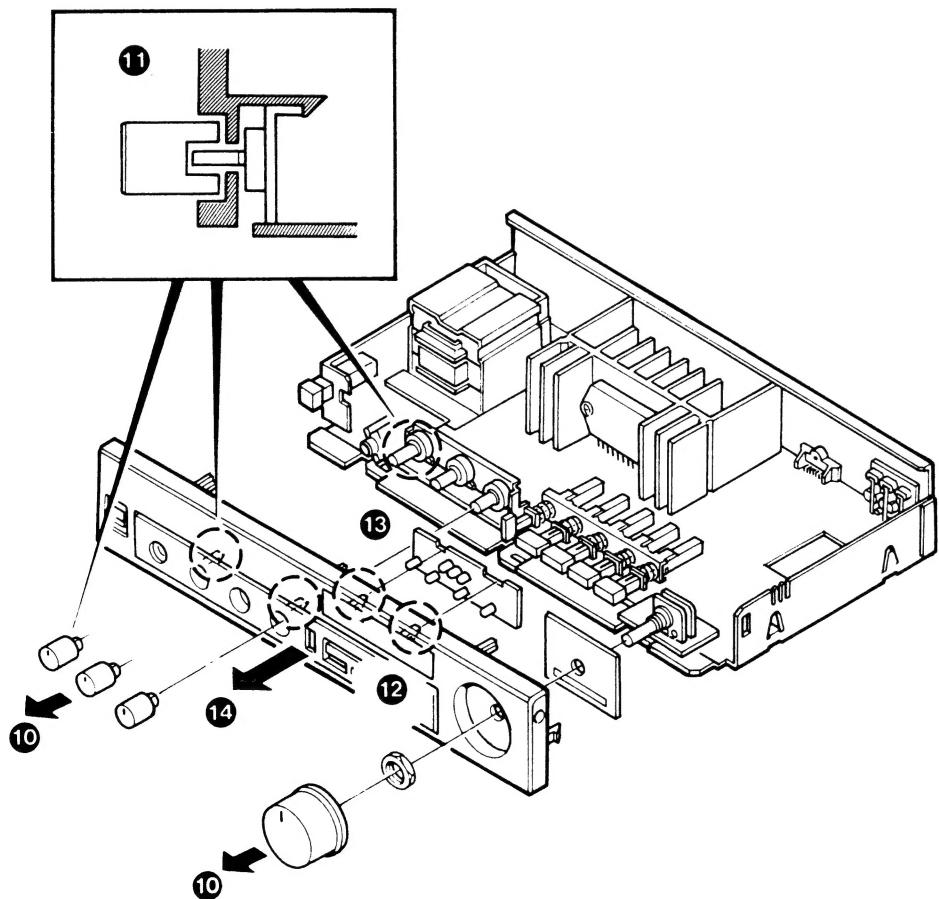
## DISASSEMBLY FOR REPAIR

6. Place a cloth, or something equivalent to avoid damages to the side of the panel.  
 7. Turn the panel to the upright position and place the pc board on the rear panel as shown ( 9 ).



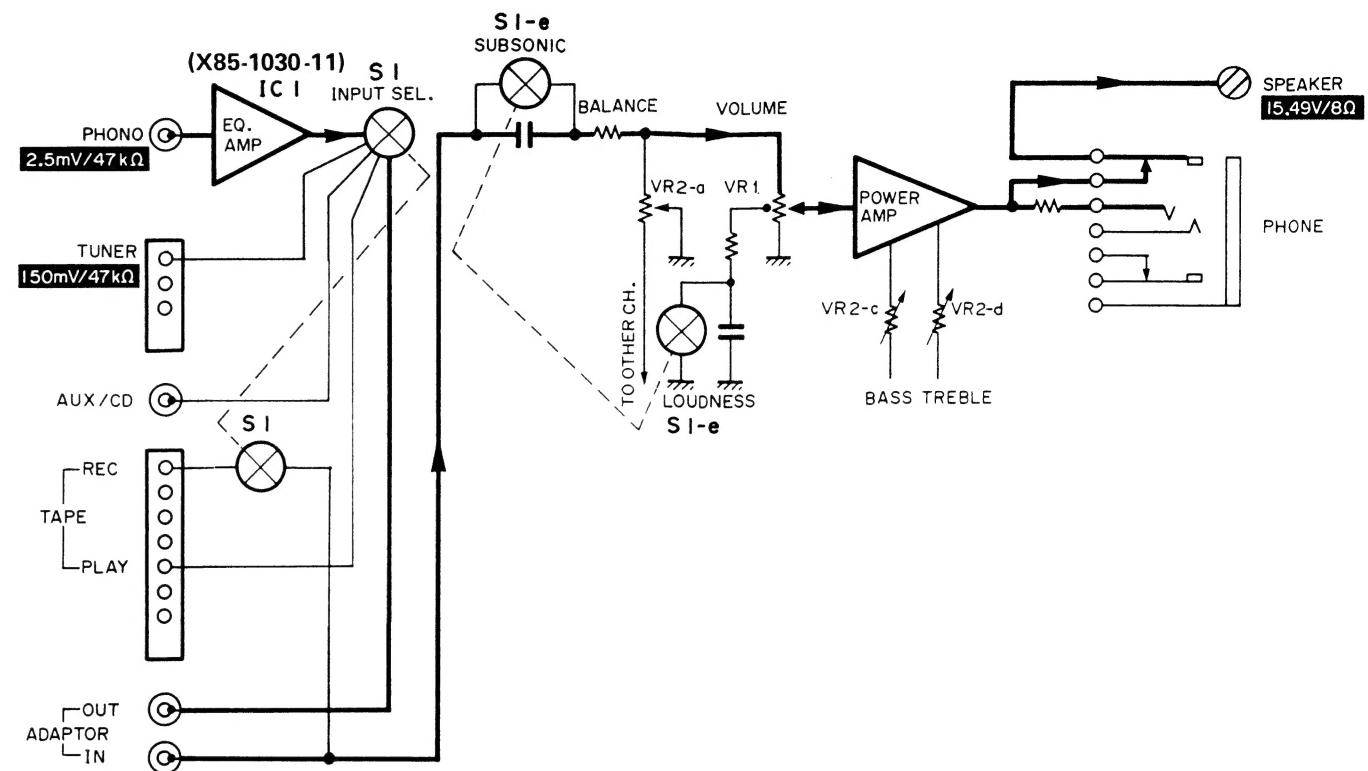
8. Pull off BASS, TREBLE, BALANCE and VOLUME knobs ( 10 ).  
 9. Release the hook on the rear side of the panel from the potentiometer mounting hardware ( 11 ).

10. Remove the hexagonal nut from the VOLUME potentiometer ( 12 ) and release the hook from the LED pc board ( 13 ).  
 11. Pull the panel frontward ( 14 ).



## BLOCK LEVEL DIAGRAM/CIRCUIT DESCRIPTION

## BLOCK LEVEL DIAGRAM



## CIRCUIT DESCRIPTION

## Description of components

## AUDIO (X09-2291-01)

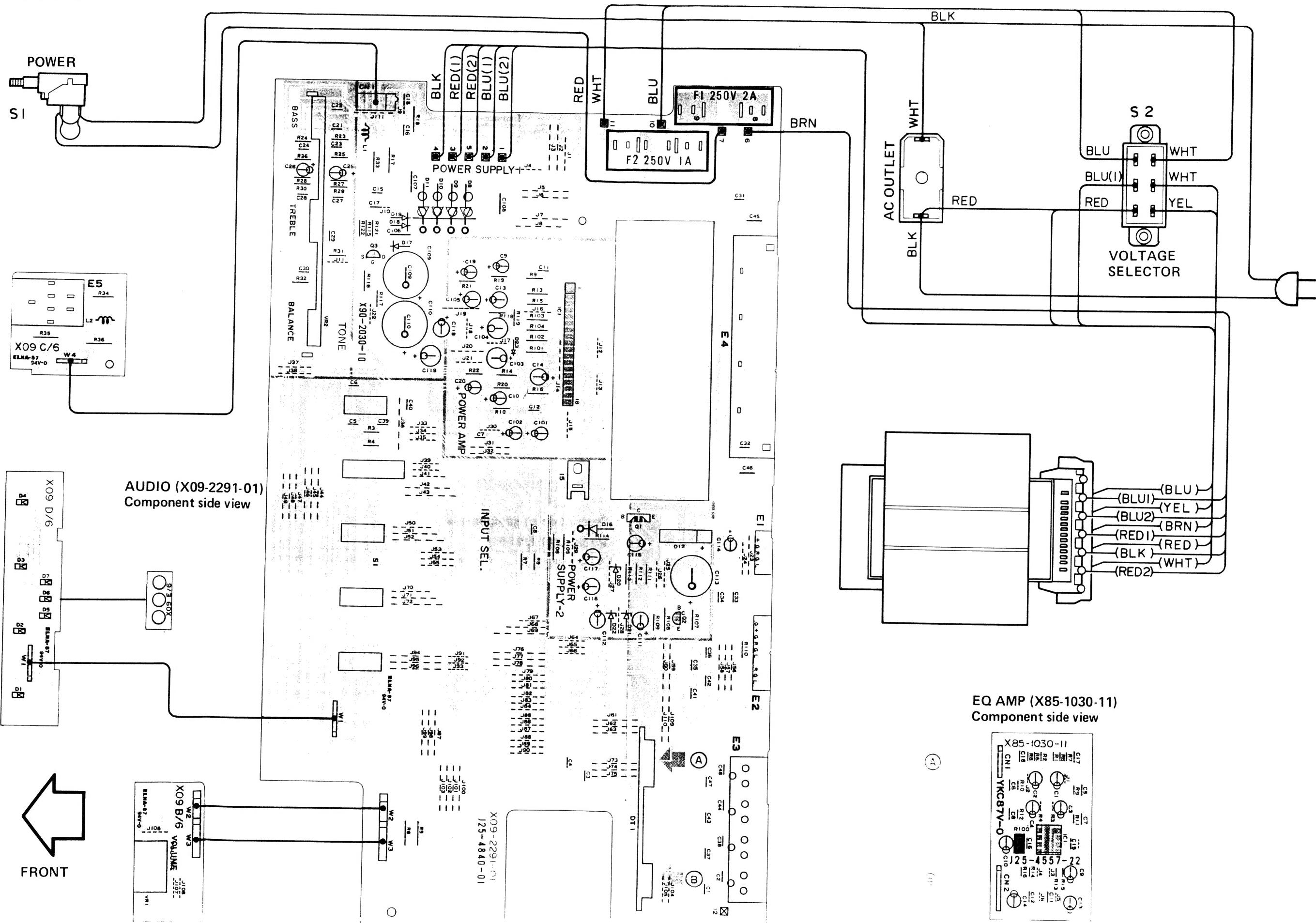
| Component | Part No.                 | Application/function                     | Operation/condition/compatibility   |
|-----------|--------------------------|--|---|
| IC1       | STK4141/2*1 or STK4151/2 | Power amplifier                          |   |
| Q1        | 2SD1266(Q,P)             | AVR                                      | Compatible with 2SC2167 or 2SD330. (Required insulation plate and insulating bushing when attaching.) |
| Q2        | 2SC945(A),(Q,P)          | Discharge EQ power supply when Power OFF | Compatible with 2SC2320(E,F).   |
| Q3        | 2SK246(Y)                | Muting when Power ON/OFF                 |   |
| D1~D7     | B30-0431-05              | Various kinds display                    |   |
| D8~D11    | GP20DL                   | Rectifier                                |   |
| D12       | 1B4B41                   | Rectifier for external power supply      |   |
| D16       | GP10D-5007L              | Rectifier for LEDs                       | Compatible with DSM1A1 or W06B.   |
| D17~D19   | SDM1A1                   | Muting control when Power ON/OFF         |   |
| D20       | RD16ES(B2) or HZS16N(B2) | AVR for external power supply            | Compatible with RD16E(B2), RD16J(B2), RD1 6JS(B2).  |
| D21,D22   | RD15ES(B) or HZS15N(B)   | EQ AVR                                   | Compatible with RD15E(B), RD15J(B), RD15JS(B).  |
| D23       | 1SS131 or 1SS178         | Muting control when power ON/OFF         | Compatible with 1S2076A.  |

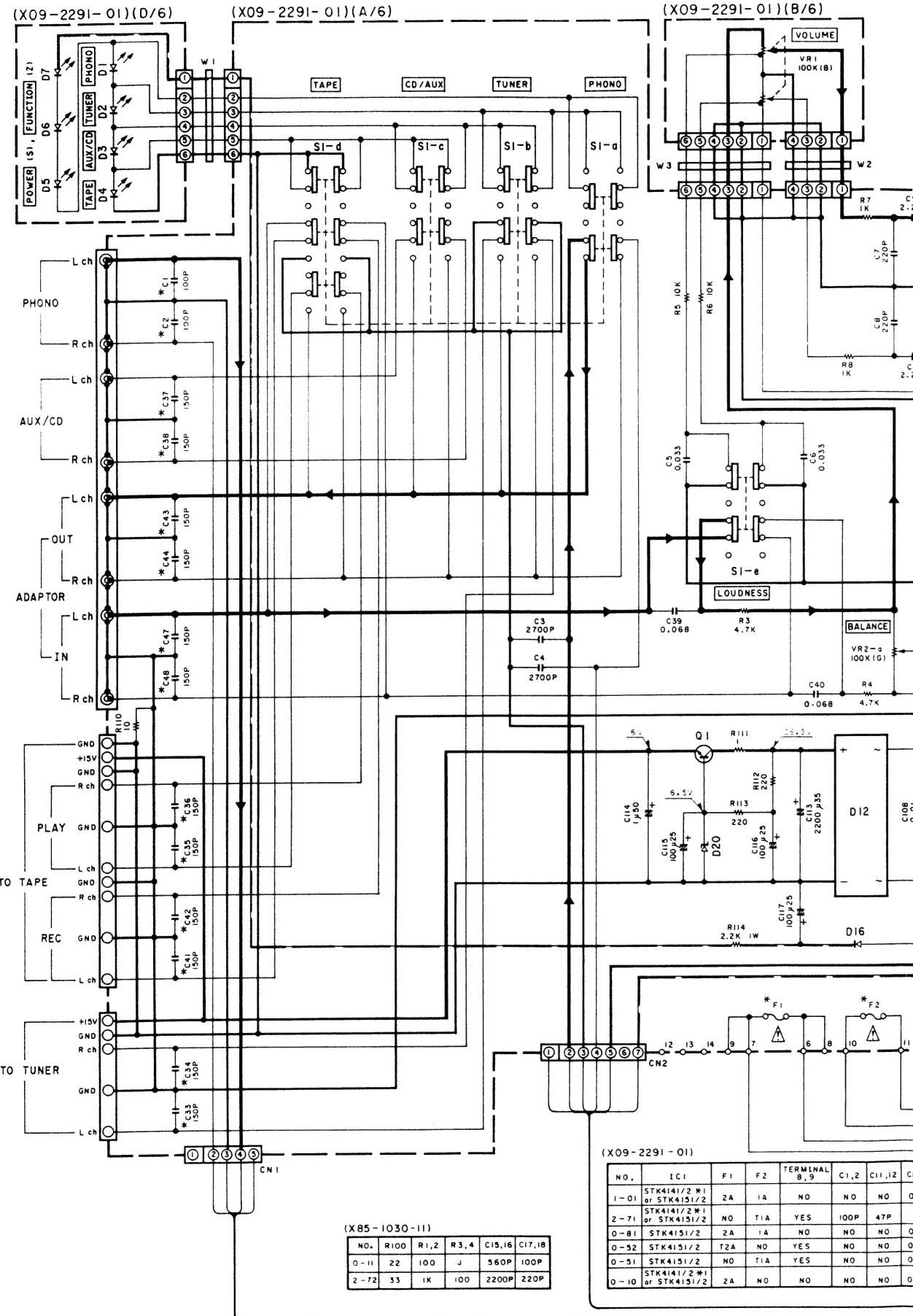
## EQ AMP (X85-1030-11)

| Component | Part No.         | Application/function | Operation/condition/compatibility |
|-----------|------------------|----------------------|-----------------------------------|
| IC1       | AN6556 or M5218P | EQ Amplifier         | For Phono.                        |

KA-35 KA-35

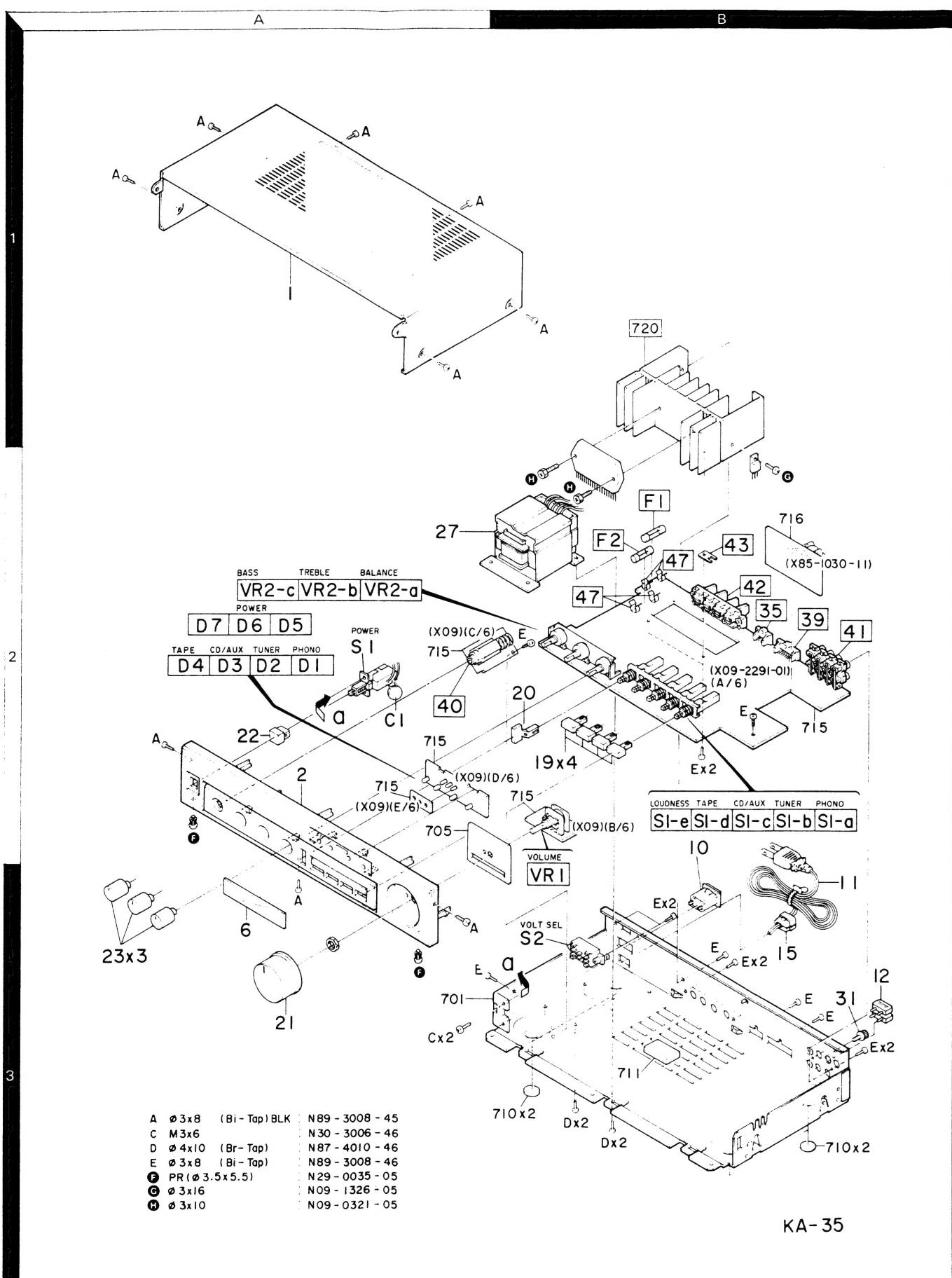
## PC BOARD





# KA-35 KA-35

## EXPLODED VIEW



\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

## PARTS LIST

| Ref. No.<br>参照番号 | Address<br>位 置 | New<br>Parts<br>新 | Parts No.<br>部品番号 | Description<br>部品名／規格        | Desti-<br>nation<br>仕 向 | Re-<br>marks<br>備考 |
|------------------|----------------|-------------------|-------------------|------------------------------|-------------------------|--------------------|
| KA-35            |                |                   |                   |                              |                         |                    |
| 1                | 1A             |                   | A01-1392-01       | METALLIC CABINET             | PUM1                    |                    |
| 1                | 1A             |                   | A01-1392-01       | METALLIC CABINET             | UEX                     |                    |
| 1                | 1A             |                   | A01-1392-01       | METALLIC CABINET             | TE1A1                   |                    |
| 1                | 1A             |                   | A01-1394-01       | METALLIC CABINET             | M2E2A2                  |                    |
| 2                | 2A             | *                 | A20-4886-02       | PANEL ASSY                   | PUM1                    |                    |
| 2                | 2A             | *                 | A20-4886-02       | PANEL ASSY                   | UEX                     |                    |
| 2                | 2A             | *                 | A20-4886-02       | PANEL ASSY                   | E1A1                    |                    |
| 2                | 2A             | *                 | A20-4887-02       | PANEL ASSY                   | M2E2A2                  |                    |
| 2                | 2A             | *                 | A20-4888-02       | PANEL ASSY                   | T                       |                    |
| 6                | 3A             |                   | B03-2081-04       | DRESSING PLATE               | UUE                     |                    |
|                  |                |                   | B46-0094-03       | WARRANTY CARD                | UUE                     |                    |
|                  |                |                   | B46-0095-03       | WARRANTY CARD                | X                       |                    |
|                  |                |                   | B46-0096-13       | WARRANTY CARD                | P                       |                    |
|                  |                |                   | B46-0121-03       | WARRANTY CARD                |                         |                    |
|                  |                |                   | B46-0122-13       | WARRANTY CARD                | E1E2                    |                    |
|                  |                |                   | B46-0123-03       | WARRANTY CARD                | T                       |                    |
|                  |                | *                 | B50-6202-00       | INSTRUCTION MANUAL(ENGLISH)  | PUM1A1                  |                    |
|                  |                | *                 | B50-6202-00       | INSTRUCTION MANUAL(ENGLISH)  | UEXA2                   |                    |
|                  |                | *                 | B50-6202-00       | INSTRUCTION MANUAL(ENGLISH)  | E1M2E2                  |                    |
|                  |                | *                 | B50-6203-00       | INSTRUCTION MANUAL(FRENCH)   | PM1XA1                  |                    |
|                  |                | *                 | B50-6203-00       | INSTRUCTION MANUAL(FRENCH)   | E1M2E2                  |                    |
|                  |                | *                 | B50-6203-00       | INSTRUCTION MANUAL(FRENCH)   | A2                      |                    |
|                  |                | *                 | B50-6204-00       | INSTRUCTION MANUAL(SPANISH)  | M1M2A1                  |                    |
|                  |                | *                 | B50-6204-00       | INSTRUCTION MANUAL(SPANISH)  | A2                      |                    |
|                  |                | *                 | B50-6205-00       | INSTRUCTION MANUAL(ENGLISH)  | T                       |                    |
|                  |                | *                 | B50-6206-00       | INSTRUCTION MANUAL(D.G.I.SW) | E1E2                    |                    |
|                  |                | *                 | B50-6207-00       | INSTRUCTION MANUAL(ARABIC)   | M1M2                    |                    |
|                  |                | *                 | B50-6207-00       | INSTRUCTION MANUAL(ARABIC)   | A1A2                    |                    |
|                  |                |                   | B58-0223-04       | CAUTION CARD (PRE-SET 120V)  | U                       |                    |
|                  |                |                   | B58-0245-33       | CAUTION CARD (FTZ)           | E1E2                    |                    |
|                  |                |                   | B58-0513-04       | CAUTION CARD (PRESET220-240) | UE                      |                    |
|                  |                |                   | B59-0092-00       | SERVICE DIRECTORY            | UUE                     |                    |
| ▲ C1             | 2A             |                   | C91-0023-05       | CERAMIC 0.01UF AC250V        | UM1                     |                    |
| ▲ C1             | 2A             |                   | C91-0023-05       | CERAMIC 0.01UF AC250V        | UEM2                    |                    |
| ▲ C1             | 2A             |                   | C91-0647-05       | CERAMIC 0.01UF P             | FXTA1                   |                    |
| ▲ C1             | 2A             |                   | C91-0647-05       | CERAMIC 0.01UF P             | E1E2A2                  |                    |
| ▲ 10             | 2B             |                   | E03-0036-05       | AC OUTLET                    | UM1                     |                    |
| ▲ 10             | 2B             |                   | E03-0036-05       | AC OUTLET                    | UEM2                    |                    |
| ▲ 10             | 2B             |                   | E03-0041-05       | AC OUTLET                    | P                       |                    |
| ▲ 11             | 3B             |                   | E30-0459-05       | AC POWER CORD                | E1E2                    |                    |
| ▲ 11             | 3B             |                   | E30-0812-05       | AC POWER CORD                | UM1                     |                    |
| ▲ 11             | 3B             |                   | E30-0812-05       | AC POWER CORD                | UEM2                    |                    |
| ▲ 11             | 3B             |                   | E30-0974-05       | AC POWER CORD                | P                       |                    |
| ▲ 11             | 3B             |                   | E30-1329-05       | AC POWER CORD                | A1A2                    |                    |
| ▲ 11             | 3B             |                   | E30-1341-05       | AC POWER CORD                | X                       |                    |
| ▲ 11             | 3B             |                   | E30-1416-05       | AC POWER CORD                | T                       |                    |
| ▲ -              |                |                   | E03-0047-05       | AC INLET                     | A1A2                    |                    |
| ▲ F1             |                |                   | F06-1022-05       | FUSE (SEMKO) (250V T1A)      | XE1E2                   |                    |
| -                |                | *                 | H01-7182-04       | ITEM CARTON CASE             | PUM1                    |                    |
| -                |                | *                 | H01-7182-04       | ITEM CARTON CASE             | UEX                     |                    |
| -                |                | *                 | H01-7182-04       | ITEM CARTON CASE             | E1A1                    |                    |

E: Scandinavia & Europe H: Audio Club K: USA P: Canada W: Europe

A: Saudi Arabia T: England U: PX(Far East, Hawaii)

UE: AAFES(Europe) X: Australia M: Other Areas

M2,E2,A2 Silver Panel

▲ indicates safety critical components

## PARTS LIST

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

| Ref. No. | Address | New Parts | Parts No.   | Description                   | Desti-<br>nation | Re-<br>marks |
|----------|---------|-----------|-------------|-------------------------------|------------------|--------------|
| 参照番号     | 位 置     | 新         | 部品番号        | 部品名 / 規格                      | 仕 向              | 備考           |
| -        |         | *         | H01-7183-04 | ITEM CARTON CASE              | M2E2A2           |              |
| -        |         | *         | H01-7184-04 | ITEM CARTON CASE              | T                |              |
| -        |         | *         | H10-3315-02 | POLYSTYRENE FOAMED FIXTURE    |                  |              |
| -        |         | *         | H10-3316-02 | POLYSTYRENE FOAMED FIXTURE    |                  |              |
| -        |         | *         | H12-1136-04 | CARTON BOARD                  |                  |              |
| -        |         |           | H25-0223-04 | PROTECTION BAG (750X350)      |                  |              |
| -        |         |           | H25-0232-04 | PROTECTION BAG (235X350)      |                  |              |
| 12       |         |           | J12-0094-05 | PIN                           |                  |              |
| 15       |         |           | J42-0083-05 | POWER CORD BUSHING            | XE1E2            |              |
| -        |         |           | J13-0053-05 | FUSE HOLDER                   |                  |              |
| -        |         |           | J61-0307-05 | WIRE BAND                     |                  |              |
| 19       | 2B      |           | K27-1421-04 | KNOP (BUTTON)                 | SELECTOR         |              |
| 20       | 2B      |           | K27-1422-04 | KNOP (BUTTON)                 | LOUDNESS         |              |
| 21       | 3A      | *         | K29-2399-04 | KNOP                          | VOLUME           | PUM1         |
| 21       | 3A      | *         | K29-2399-04 | KNOP                          | VOLUME           | UEX          |
| 21       | 3A      | *         | K29-2399-04 | KNOP                          | VOLUME           | TE1A1        |
| 21       | 3A      | *         | K29-2400-04 | KNOP                          | VOLUME           | M2E2A2       |
| 22       | 2A      |           | K29-1446-04 | KNOP ASSY                     | POWER            | M2E2A2       |
| 22       | 2A      |           | K29-2001-04 | KNOP ASSY                     | POWER            | PUM1         |
| 22       | 2A      |           | K29-2001-04 | KNOP ASSY                     | POWER            | UEX          |
| 22       | 2A      |           | K29-2001-04 | KNOP ASSY                     | POWER            | TE1A1        |
| 23       | 3A      |           | K29-2026-04 | KNOP                          | TONE, BALANCE    | PUM1         |
| 23       | 3A      |           | K29-2026-04 | KNOP                          | TONE, BALANCE    | UEX          |
| 23       | 3A      |           | K29-2026-04 | KNOP                          | TONE, BALANCE    | TE1A1        |
| 23       | 3A      |           | K29-2081-04 | KNOP                          | TONE, BALANCE    | M2E2A2       |
| △ 27     | 2A      |           | L01-6601-05 | POWER TRANSFORMER             | P                |              |
| △ 27     | 2A      |           | L01-6605-05 | POWER TRANSFORMER             | UM1A1            |              |
| △ 27     | 2A      |           | L01-6605-05 | POWER TRANSFORMER             | UEM2A2           |              |
| △ 27     | 2A      |           | L01-6607-05 | POWER TRANSFORMER             | E1E2             |              |
| △ 27     | 2A      |           | L01-6608-05 | POWER TRANSFORMER             | XT               |              |
| 31       | 3B      |           | N08-0128-35 | BINDING POST (GND)            | XTE1             |              |
| F        | 2A, 3A  |           | N29-0035-05 | PUSH RIVET (3.5X5.5)          | E2               |              |
| F        | 2A, 3A  |           | N29-0035-05 | PUSH RIVET (3.5X5.5)          |                  |              |
| F        | 2A, 3A  |           | N29-0088-05 | PUSH RIVET (3X6.3)            |                  |              |
| R1       |         |           | R92-0173-05 | RC 2.2M M 1/2W                | P                |              |
| △ S1     | 2A      |           | S40-1066-05 | PUSH SWITCH (POWER)           |                  |              |
| △ S2     | 3B      |           | S31-2083-05 | SLIDE SWITCH (VOLTAGE SELECT) | UM1A1            |              |
| △ S2     | 3B      |           | S31-2083-05 | SLIDE SWITCH (VOLTAGE SELECT) | UEM2A2           |              |

## AUDIO (X09-2291-01)

|     |     |    |               |              |            |      |
|-----|-----|----|---------------|--------------|------------|------|
| D1  | -7  | 2A | B30-0431-05   | LED(LN21CPH) |            |      |
| C1  | -2  |    | CC45FSL1H101J | CERAMIC      | 100PF J    | E1E2 |
| C3  | -4  |    | CF92FV1H272J  | MF           | 2700PF J   |      |
| C5  | -6  |    | CF92FV1H333J  | MF           | 0.033UF J  |      |
| C7  | -8  |    | CC45FSL1H221J | CERAMIC      | 220PF J    |      |
| C9  | -10 |    | CE04KW1H2R2M  | ELECTR0      | 2.2UF 50WV |      |
| C11 | -12 |    | CC45FSL1H470J | CERAMIC      | 47PF J     | E1E2 |
| C13 | -14 |    | CE04KW1H470M  | ELECTR0      | 47UF 50WV  |      |
| C15 | -18 |    | CF92FV1H104J  | MF           | 0.10UF J   | E1E2 |
| C15 | -16 |    | CF92FV1H563J  | MF           | 0.056UF J  | PUM1 |
| C15 | -16 |    | CF92FV1H563J  | MF           | 0.056UF J  | UEX  |
| C15 | -16 |    | CF92FV1H563J  | MF           | 0.056UF J  | TM2  |
| C19 | -20 |    | CE04KW1A470M  | ELECTR0      | 47UF 10WV  |      |

## PARTS LIST

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Telle ohne Parts No. werden nicht geliefert.

| Ref. No. | Address | New Parts | Parts No.      | Description  | Desti-<br>nation              | Re-<br>marks |
|----------|---------|-----------|----------------|--------------|-------------------------------|--------------|
| 参照番号     | 位 置     | 新         | 部品番号           | 部品名 / 規格     | 仕 向                           | 備考           |
| C21      | -22     |           | CF92FV1H153J   | MF           | 0.015UF J                     |              |
| C23      | -24     |           | CF92FV1H683J   | MF           | 0.068UF J                     |              |
| C25      | -26     |           | CEO4KW1V4R7M   | ELECTR0      | 4.7UF 35WV                    |              |
| C27      | -28     |           | CF92FV1H682J   | MF           | 6800PF J                      |              |
| C29      | -30     |           | CF92FV1H333J   | MF           | 0.033UF J                     |              |
| C31      | -32     |           | CK45FB1H682K   | CERAMIC      | 6800PF K                      | E1E2         |
| C33      | -38     |           | CC45FSL1H151J  | CERAMIC      | 150PF J                       | E1E2         |
| C39      | -40     |           | CF92FV1H683J   | MF           | 0.068UF J                     |              |
| C41      | -44     |           | CC45FSL1H151J  | CERAMIC      | 150PF J                       | E1E2         |
| C45      | -46     |           | CK45FB1H102K   | CERAMIC      | 1000PF K                      | E1E2         |
| C47      | -48     |           | CC45FSL1H151J  | CERAMIC      | 150PF J                       | E1E2         |
| C101     | -102    |           | CEO4KW1H101M   | ELECTR0      | 1.0UF 50WV                    |              |
| C103     | -104    |           | CEO4KW1H101M   | ELECTR0      | 100UF 50WV                    |              |
| C105     |         |           | CEO4KW1H470M   | ELECTR0      | 47UF 50WV                     |              |
| C106     | -108    |           | CK45FE2H103P   | CERAMIC      | 0.010UF P                     |              |
| C109     | -110    |           | C90-1232-05    | ELECTR0      | 3300UF 42WV                   |              |
| C111     | -112    |           | CEO4KW1C101M   | ELECTR0      | 100UF 16WV                    |              |
| C113     |         |           | CEO4KW1V222M   | ELECTR0      | 2200UF 35WV                   |              |
| C114     |         |           | CEO4KW1H101M   | ELECTR0      | 1.0UF 50WV                    |              |
| C115     | -117    |           | CEO4KW1E101M   | ELECTR0      | 100UF 25WV                    |              |
| C118     |         |           | CEO4KW0J331M   | ELECTR0      | 330UF 6.3WV                   |              |
| C119     |         |           | CEO4KW1H101M   | ELECTR0      | 100UF 50WV                    |              |
| 35       | 2B      |           | E08-0503-05    |              | RECTANGULAR RECEPTACLE(TUNER) |              |
| 39       | 2B      |           | E08-1004-05    |              | RECTANGULAR RECEPTACLE(TAPE)  |              |
| 40       | 2A      |           | E11-0153-05    |              | PHONE JACK (3P) PHONES        |              |
| 41       | 2B      |           | E13-0814-05    |              | PHONE JACK (8P) PHONES, TAPE  |              |
| 42       | 2B      |           | E20-0455-05    |              | SCREW TERMINAL BOARD(4P)      |              |
| 43       | 2B      |           | E23-0125-05    |              | TERMINAL (GND)                |              |
| △ F1     | 2B      |           | F05-2023-05    | FUSE         | (250V 2A)                     | UM1A1        |
| △ F1     | 2B      |           | F05-2023-05    | FUSE         | (250V 2A)                     | UEM2A2       |
| △ F1     | 2B      |           | F06-2027-05    | FUSE (UL)    | (250V 2A)                     | P            |
| △ F2     | 2B      |           | F05-1023-05    | FUSE         | (250V 1A)                     | UM1A1        |
| △ F2     | 2B      |           | F05-1023-05    | FUSE         | (250V 1A)                     | UEM2A2       |
| △ F2     | 2B      |           | F05-1024-05    | FUSE (UL)    | (250V 1A)                     | P            |
| △ F2     | 2B      |           | F06-1022-05    | FUSE (SEMKO) | (250V T1A)                    | XTE1         |
| △ F2     | 2B      |           | F06-1022-05    | FUSE (SEMKO) | (250V T1A)                    | E2           |
| 47       | 2B      |           | J13-0041-05    | FUSE CLIP    |                               | UM1A1        |
| 47       | 2B      |           | J13-0041-05    | FUSE CLIP    |                               | UEM2A2       |
| 47       | 2B      |           | J13-0054-05    | FUSE CLIP    |                               | XTE1         |
| 47       | 2B      |           | J13-0054-05    | FUSE CLIP    |                               | E2           |
| L1       | -2      |           | L39-0085-05    |              | PHASE-COMPENSATION COIL       |              |
| G        |         |           | N09-1236-05    |              | TAPPING SCREW (3X16)          |              |
| H        |         |           | N09-0321-05    |              | TAPPING SCREW (3X10)          |              |
| R13      | -16     |           | RD14AB2E222J   | FL-PR00F RD  | 2.2K J 1/4W                   |              |
| R17      | -18     |           | RS14DB3A100J   | FL-PR00F RS  | 10 J 1W                       |              |
| R33      | -34     |           | RD14AB2E4R7J   | FL-PR00F RD  | 4.7 J 1/4W                    |              |
| R35      | -36     |           | RS14DB3A331J   | FL-PR00F RS  | 330 J 1W                      |              |
| R101     |         |           | RD14AB2E100J   | FL-PR00F RD  | 10 J 1/4W                     |              |
| R102     |         |           | RD14AB2E332J   | FL-PR00F RD  | 3.3K J 1/4W                   |              |
| R103     |         |           | RD14AB2E221J   | FL-PR00F RD  | 220 J 1/4W                    |              |
| R104     |         |           | RD14AB2E101J</ |              |                               |              |

## PARTS LIST

\* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

| Ref. No. | Address | New Parts | Parts No.      | Description                   |        |      | Desti-nation | Re-marks |
|----------|---------|-----------|----------------|-------------------------------|--------|------|--------------|----------|
| 参照番号     | 位 置     | 新         | 部品番号           | 部品名 / 規格                      |        |      | 仕 向          | 備考       |
| R107     |         |           | RD14AB2E100J   | FL-PROOF RD 10                | J      | 1/4W |              |          |
| R111     |         |           | RD14AB2E1R0J   | FL-PROOF RD 1.0               | J      | 1/4W |              |          |
| R112,113 |         |           | RD14AB2E221J   | FL-PROOF RD 220               | J      | 1/4W |              |          |
| R114     |         |           | RS14DB3A222J   | FL-PROOF RS 2.2K              | J      | 1W   |              |          |
| R116     |         |           | RD14AB2E470J   | FL-PROOF RD 47                | J      | 1/4W |              |          |
| VR1      | 3B      |           | RD6-5067-05    | POTENTIOMETER (100KX2)        | VOLUME |      |              |          |
| VR2      | 2A      |           | R29-9011-05    | POTENTIOMETER (TONE,BALANCE)  |        |      |              |          |
| S1       | 2B      | *         | S42-5046-05    | MULTIPLE PUSH SWITCH (SELECT) |        |      |              |          |
| D8 -11   |         |           | GP20DL         | DIODE                         |        |      |              |          |
| D12      |         |           | 1B4B41         | DIODE                         |        |      |              |          |
| D16      |         |           | GP10D-5007L    | DIODE                         |        |      |              |          |
| D17 -19  |         |           | DSM1A1         | DIODE                         |        |      |              |          |
| D20      |         |           | HZ916N(B2)     | ZENER DIODE                   |        |      |              |          |
| D20      |         |           | RD16ES(B2)     | ZENER DIODE                   |        |      |              |          |
| D21 ,22  |         | *         | HZ915N(B)      | ZENER DIODE                   |        |      |              |          |
| D21 ,22  |         | *         | RD15ES(B)      | ZENER DIODE                   |        |      |              |          |
| D23      |         |           | 1SS131         | DIODE                         |        |      |              |          |
| D23      |         |           | 1SS178         | DIODE                         |        |      |              |          |
| IC1      |         |           | STK4141/2*1    | IC(AF POWER AMP/ 25W X2)      |        |      | PE1E2        |          |
| IC1      |         |           | STK4151/2      | IC(AF POWER AMP/ 30W X2)      |        |      |              |          |
| Q1       |         |           | 2SD1266(Q,P)   | TRANSISTOR                    |        |      |              |          |
| Q2       |         |           | 2SC945(A)(Q,P) | TRANSISTOR                    |        |      |              |          |
| Q3       |         |           | 2SK246(Y)      | FET                           |        |      |              |          |

## EQ AMP (X85-1030-11)

|         |  |               |               |         |      |  |        |  |
|---------|--|---------------|---------------|---------|------|--|--------|--|
| C1 ,2   |  | CEO4FW1C100M  | ELECTRO       | 10UF    | 16WV |  |        |  |
| C3 ,4   |  | CEO4FW1A470M  | ELECTRO       | 47UF    | 10WV |  |        |  |
| C5      |  | CF92FV1H123J  | MF            | 0.012UF | J    |  |        |  |
| C6      |  | CF92FV1H123J  | MF            | 0.012UF | J    |  |        |  |
| C7      |  | CF92FV1H332J  | MF            | 3300PF  | J    |  |        |  |
| C8      |  | CF92FV1H332J  | MF            | 3300PF  | J    |  |        |  |
| C9 ,10  |  | CE04KW1V100M  | ELECTRO       | 10UF    | 35WV |  |        |  |
| C11 ,12 |  | CK45FF1H103Z  | CERAMIC       | 0.010UF | Z    |  |        |  |
| C15 ,16 |  | CK45FB1H222K  | CERAMIC       | 2200PF  | K    |  | E1E2   |  |
| C15 ,16 |  | CK45FB1H561K  | CERAMIC       | 560PF   | K    |  | PUM1A1 |  |
| C15 ,16 |  | CK45FB1H561K  | CERAMIC       | 560PF   | K    |  |        |  |
| C17 ,18 |  | CC45FSL1H101J | CERAMIC       | 100PF   | J    |  |        |  |
| C17 ,18 |  | CC45FSL1H101J | CERAMIC       | 100PF   | J    |  |        |  |
| C17 ,18 |  | CC45FSL1H101J | CERAMIC       | 100PF   | J    |  |        |  |
| C17 ,18 |  | CC45FSL1H221J | CERAMIC       | 220PF   | J    |  | E1E2   |  |
| IC1     |  | AN6556        | IC(8P AMP X2) |         |      |  |        |  |
| IC1     |  | M5218P        | IC(8P AMP X2) |         |      |  |        |  |

E: Scandinavia &amp; Europe H: Audio Club K: USA P: Canada W: Europe

A: Saudi Arabia T: England U: PX(Far East, Hawaii)

UE: AAFES(Europe) X: Australia M: Other Areas

M2,E2,A2 : Silver Panel

▲ indicates safety critical components

## SPECIFICATIONS

## Audio Section

## Power Output

30 watts\* per channel minimum RMS, both channels driven, at 8 ohms from 40 Hz to 20,000 Hz with no more than 0.9% total harmonic distortion.

Maximum Continuous (IEC) . . . . . 30 W + 30 W 60 Hz to 12,500 Hz at 0.7% T.H.D. 8 ohms (U.K. and Europe model)

Both Channels Driven . . . . . 30 W + 30 W 8 ohms at 1,000 Hz (Except USA, U.K. and Europe)

Music Power . . . . . 70 W + 70 W 8 ohms (Except USA, U.K., Canada and Europe)

## Total Harmonic Distortion

## AUX input to Speaker output

(40 Hz to 20,000 Hz) . . . . . 0.9% at rated power into 8 ohms  
(40 Hz to 20,000 Hz) . . . . . 0.2% at rated power into 8 ohms  
(1,000 Hz) . . . . . 0.07% at 1/2 rated power into 8 ohms

## Phono input to Speaker

Output (1,000 Hz) . . . . . 0.07% at rated power with Volume -20 dB

## Intermodulation Distortion

(60 Hz : 7,000 Hz = 4 : 1) . . . . . 0.2% at rated power into 8 ohms

Damping Factor . . . . . 40 (1,000 Hz into 8 ohms)

Power Bandwidth . . . . . 10 Hz to 70,000 Hz at 1% T.H.D. 8 ohms

Frequency Response . . . . . 20 Hz to 100,000 Hz +1 dB, -3 dB

## Signal-to-Noise Ratio (IHF, A)

Phono MM . . . . . 73 dB for 2.5 mV input  
79 dB for 5.0 mV input

Tuner, Tape, AUX . . . . . 97 dB

## Signal-to-Noise Ratio (DIN)

Phono MM . . . . . 55 dB/50 mW (U.K. and Europe models)

Tuner, Tape, AUX . . . . . 55 dB/50 mW (U.K. and Europe models)

Phono Maximum Input Level . . . . . 140 mV (RMS), T.H.D. 0.9% at 1,000 Hz

## Output Level/Impedance

Tape REC (Pin) . . . . . 150 mV/330 ohms

Adaptor Out . . . . . 150 mV/330 ohms

Phono Frequency Response . . . . . RIAA standard curve ±0.5 dB (30 Hz to 20,000 Hz)

## Tone Control

Bass . . . . . ±9 dB at 100 Hz

Treble . . . . . ±9 dB at 10,000 Hz

Loudness Control . . . . . +9 dB at 100 Hz (at -30 dB Volume Level)

## Channel Separation (DIN)

Phono . . . . . 60 dB 2,200 ohms at 1,000 Hz  
AUX . . . . . 55 dB 47,000 ohms +250 pF at 1,000 Hz

## General

power Requirements . . . . . 120 V, 60 Hz (USA and Canada models), 220 V, 50 Hz (Europe model), 240 V, 50 Hz (U.K. and Australia models) or 110-120 V/220-240 V 50/60 Hz, switchable (Other countries)

Power Consumption . . . . . 1.5 A (USA and Canada models)  
100 W (Other countries)

AC Outlet . . . . . Unswitched 1 (200 W) (Except U.K., Australia and Europe)

Dimensions . . . . . W 420 mm (16-1/32")  
H 89 mm (3-1/2")  
D 242 mm (9-1/2")

## Weight

Net . . . . . 4.0 kg (8.8 lb)

Gross . . . . . 4.6 kg (10.3 lb)

\* Measured pursuant to Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifier in USA.

Note : We follow a policy of continuous advancements in developments. For this reason specifications may be changed without notice.

## KENWOOD CORPORATION

Shionogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuya-ku, Tokyo 150, Japan

## KENWOOD ELECTRONICS

1315 E. Watsoncenter Rd, Carson, California 90745;

75 Seaview Drive, Secaucus, New Jersey 07094, U.S.A.

## KENWOOD ELECTRONICS CANADA INC.

P.O. Box 1075 959 Gana Court, Mississauga, Ontario, Canada L4T 4C2

## KENWOOD ELECTRONICS BENELUX N.V.

Mechelsesteenweg 418 B-1930 Zaventem, Belgium

## KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrucker-Str. 15, 6056 Heusenstamm, West Germany

## TRIO-KENWOOD FRANCE S.A.

13, Boulevard Ney, 75018 Paris, France

## TRIO-KENWOOD U.K. LTD.

17 Bristol Road, The Metropolitan Centre, Greenford, Middx, UB6 8UP England

## KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

4E Woodcock Place, Lane Cove, N.S.W. 2066, Australia

## KENWOOD &amp; LEE ELECTRONICS, LTD.

Wang Kee Building, 5th Floor, 34-37, Connaught Road, Central, Hong Kong